

1. Encipher the message "Charles Babbage broke Vigenere" using Playfair system with key work "steamer."

2. Decipher the message:

HP RF EO PK EL KB DS EL OD

using the Playfair system with key work "coupons."

3. Encipher the following Charles Dickens quote

"It is a far, far better thing that I do, than I have ever done; it is a far, far better rest that I go to than I have ever known."

using rectangular transposition with key word *major*.

4. Decipher the following message

TWODO SPCAT SBCIO ARTWI EEEYOT LOMOD OMRTT ROHYO DRTWO EHYOD ELFEM
NROCN TFTTS ERERO AREIP MALLR DOMNR PSADY AAET

knowing it was encipher with rectangular transposition with key word *Camelot*. Make sure restore spacing between words, capitalization and add punctuation to make it readable.

5. Decipher message

HCX BKF YAD XVS JFS WWJ RSK ZPJ XHB X

using vernam two-tape with keys *Cowboys* and *finally*.

6. Look on the website for homecoming events at USD. Choose an event that you would be most likely to attend and write that down. I won't make you actually go to the event but consider doing it, it builds school spirit.